

ABSTRACT

A resonant magnetometer (20) is described that comprises a substrate having an member (26) and means for passing an alternating current (AC) through said oscillatory member (26). The magnetometer is characterised in that driving means (46,48) are also provided to impart a magnetic field independent oscillatory force to said oscillatory member (26). A micro-electromechanical systems (MEMS) implementation of the magnetometer is described.